

IN THE CLAIMS:

Please amend Claims 4, 5, 7, 8, 11, 13, 14, 16, 17, 18, 20, 21, 24, 25, 27, 28, 31 and 32 as follows.

1. (Original) An image forming apparatus having a first image formation mode for forming an image on an image bearing member by using developer under a first predetermined image forming condition and a second image formation mode for forming an image on an image bearing member by using developer under a second image forming condition which is different from the first predetermined image forming condition and is set so that an amount of consumption of developer with respect to an identical image in the second image formation mode is smaller than that in the first image formation mode, said apparatus comprising:

storing means for storing information for setting the second image forming condition corresponding to a plurality of levels of an amount of usage of the image bearing member, and

control means for changing the second image forming condition in the second image formation mode depending on an amount of usage of the image bearing member and information stored in said storing means.

2. (Original) An apparatus according to Claim 1, wherein said image forming apparatus further comprises discrimination means for discriminating an image to be formed, said discrimination means changes the second image forming condition depending

on an amount of usage of the image bearing member, information stored in said storing means, and a result of discrimination by said discrimination means.

3. (Original) An apparatus according to Claim 2, wherein said discrimination means is means for discriminating a size of a concentrated pixel area and changes the second image forming condition depending on whether the concentrated pixel area is larger or smaller than a concentrated pixel pattern having a predetermined size.

4. (Currently Amended) An apparatus according to ~~any one of Claims 1-3~~ Claim 1, wherein said storing means further has a second storing area for storing a plurality of levels of threshold information, and said control means changes the second image forming condition depending on information for setting the second image forming condition corresponding to a plurality of levels of an amount of usage of the image bearing member when an amount of usage of the image bearing member reaches a predetermined threshold information.

5. (Currently Amended) An apparatus according to ~~any one of Claims 1-4~~ Claim 1, wherein said image forming apparatus further comprises exposure means for exposing the image bearing member under an exposure operation condition on the basis of image information.

6. (Original) An apparatus according to Claim 5, wherein the exposure operation condition is an exposure time of said exposure means.

7. (Currently Amended) An apparatus according to ~~Claim 5~~, Claim 5, wherein the exposure operation condition is an exposure time of said exposure means on the basis of a sensitivity characteristic of the image bearing member.

8. (Currently Amended) An apparatus according to ~~any one of Claims 1-7~~ Claim 1, wherein the information for setting the second image forming condition corresponding to a plurality of levels of an amount of the image bearing member is designation information for determinating the second image forming condition.

9. (Original) An apparatus according to Claim 4, wherein the apparatus further comprising exposure means for exposing the image bearing member under an exposure operation condition on the basis of image information, and the information for setting the second image forming condition corresponding to the plurality of levels of an amount of usage of the image bearing member is the exposure operation condition of the exposure means.

10. (Original) An apparatus according to Claim 3, wherein said control means selects the concentrated pixel pattern having a predetermined size on the basis of the

information for setting the second image forming condition corresponding to the plurality of levels of an amount of usage of the image bearing member.

11. (Currently Amended) An apparatus according to ~~any one of Claims 1 - 10~~ Claim 1, wherein the image bearing member and said storing means are integrally supported to form a cartridge which is detachably mountable to the image forming apparatus.

12. (Original) A cartridge for being detachably mountable to an image forming apparatus having a first image formation mode for forming an image on an image bearing member by using developer under a first predetermined image forming condition and a second image formation mode for forming an image on an image bearing member by using developer under a second image forming condition which is different from the first predetermined image forming condition and is set so that an amount of consumption of developer with respect to an identical image in the second image formation mode is smaller than that in the first image formation mode, said cartridge comprising:

the image bearing member, and

storing means for storing information on the cartridge, said storing means having a first storing area for storing information for setting the second image forming condition corresponding to a plurality of levels of an amount of usage of the image bearing member in the second image formation mode.

13. (Currently Amended) A cartridge according to ~~any one of~~ Claim 12, wherein said storing means further has a second storing area for storing a plurality of level of threshold information with respect to an amount of usage of the image bearing member.

14. (Currently Amended) A cartridge according to Claim 12 ~~or 13~~, wherein said image forming apparatus further comprises exposure means for exposing the image bearing member and the second image forming condition is an exposure operation condition of said exposure means.

15. (Original) A cartridge according to Claim 14, wherein the exposure operation condition is an exposure time of said exposure means.

16. (Currently Amended) A cartridge according to Claim 14, wherein the exposure operation condition is an exposure time of said exposure means on the basis of a sensitivity characteristic ~~[[f]]~~ of the image bearing member.

17. (Currently Amended) A cartridge according to ~~any one of Claims 12-16~~ Claim 12, wherein the information for setting the second image forming condition corresponding to a plurality of levels of an amount of the image bearing member is designation information for determinating the second image forming condition.

18. (Currently Amended) A cartridge according to Claim 12 ~~or 13~~, wherein the image forming apparatus further ~~comprising~~ comprises exposure means for exposing the image bearing member under an exposure operation condition on the basis of image information, and the information for setting the second image forming condition corresponding to the plurality of levels of an amount of usage of the image bearing member is the exposure operation condition of the exposure means.

19. (Original) A storing device to be mounted to a cartridge for being detachably mountable to an image forming apparatus including an image bearing member and having a first image formation mode for forming an image on an image bearing member by using developer under a first predetermined image forming condition and a second image formation mode for forming an image on an image bearing member by using developer under a second image forming condition which is different from the first predetermined image forming condition and is set so that an amount of consumption of developer with respect to an identical image in the second image formation mode is smaller than that in the first image formation mode, said storing device having:

a first storing area for storing information for setting the second image forming condition corresponding to a plurality of levels of an amount of usage of the image bearing member in the second image formation mode.

20. (Currently Amended) A device according to ~~any one of~~ Claim 19, wherein said storing device further has a second storing area for storing a plurality of level of threshold information with respect to an amount of usage of the image bearing member.

21. (Currently Amended) A device according to Claim 19 ~~or 20~~, wherein said image forming apparatus further comprises exposure device for exposing the image bearing member and the second image forming condition is information on an exposure operation condition of said exposure device.

22. (Original) A device according to Claim 21, wherein the exposure operation condition is an exposure time of said exposure device.

23. (Original) A device according to Claim 21, wherein the exposure operation condition is an exposure time of said exposure device on the basis of a sensitivity characteristic of the image bearing member.

24. (Currently Amended) A device according to ~~any one of Claims 19-23~~ Claim 19, wherein the information for setting the second image forming condition corresponding to a plurality of levels of an amount of the image bearing member is designation information for determinating the second image forming condition.

25. (Currently Amended) A device according to Claim 19 ~~or 20~~, wherein the image forming apparatus further ~~comprising~~ comprises exposure means for exposing the image bearing member under an exposure operation condition on the basis of image information, and the information for setting the second image forming condition corresponding to the plurality of levels of an amount of usage of the image bearing member is the exposure operation condition of the exposure device.

26. (Original) A storing device to be mounted to a cartridge for being detachably mountable to an image forming apparatus including an image bearing member and having a first image formation mode for forming an image on an image bearing member by using developer under a first predetermined image forming condition and a second image formation mode for forming an image on an image bearing member by using developer under a second image forming condition which is different from the first predetermined image forming condition and are set so that an amount of consumption of developer with respect to an identical image in the second image formation mode is smaller than that in the first image formation mode, said storing device having:

a first storing area for storing information for setting the second image forming condition corresponding to an amount of usage of the image bearing member,

wherein the information for setting the second image forming condition corresponding to an amount of usage of the image bearing member is information which is used in the second image formation mode but is not used in the first image formation mode.



27. (Currently Amended) A device according to ~~any one of~~ Claim 26, wherein said storing device further has a second storing area for storing a plurality of level of threshold information with respect to an amount of usage of the image bearing member.

28. (Currently Amended) A device according to Claim 26 ~~or 27~~, wherein said image forming apparatus further comprises exposure device for exposing the image bearing member, and the second image forming condition is information on an exposure operation condition of said exposure device.

29. (Original) A device according to Claim 28, wherein the exposure operation condition is an exposure time of said exposure device.

30. (Original) A device according to Claim 28, wherein the exposure operation condition is an exposure time of said exposure device on the basis of a sensitivity characteristic of the image bearing member.

31. (Currently Amended) A device according to ~~any one of Claims 26-30~~ Claim 26, wherein the information for setting the second image forming condition corresponding to a plurality of levels of an amount of the image bearing member is designation information for determinating the second image forming condition.

32. (Currently Amended) A device according to Claim 26 ~~or 27~~, wherein the image forming apparatus further ~~comprising~~ comprises exposure means for exposing the image bearing member under an exposure operation condition on the basis of image information, and the information for setting the second image forming condition corresponding to the plurality of levels of an amount of usage of the image bearing member is the exposure operation condition of the exposure device.